PATENT COOPERATION TREATY PCT

INTERNATIONALSEARCHREPORT

(PCT Article 18 and Rules 43 and 44)



Applicant's or agent's file reference 00000PCT7824

International application No. International filing date(day/month/year)
PCT/JP2005/007115

Applicant

SEMICONDUCTOR ENERGY LABORATORY CO., LTD.

PCT/JP2005/007115	06.04.2005	09.04.2004			
Applicant					
SEMICONDUCTOR ENER	GY LABORATORY CO., LTI).			
This international search report has been p to Article 18. A copy is being transmitted	prepared by this International Searching Authority I to the International Bureau.	y and is transmitted to the applicant according			
This international search report consists of	of a total of 3 sheets.				
	py of each prior art document cited in this repo	rt.			
Basis of the report With regard to the language, the language in which it was filed, u	te international search was carried out on the inless otherwise indicated under this item. The was carried out on the basis of a translation of	basis of the international application in the			
b. With regard to any nucleotic	de and/or amino acid sequence disclosed in the	ne international application, see Box No. I.			
2. Certain claims were found	unsearchable (See Box II).				
3. Unity of invention is lacking	g (See Box III).				
4. With regard to the title,					
the text is approved as sub	mitted by the applicant.				
the text has been established	ed by this Authority to read as follows:				
		·			
		A.W			
5. With regard to the abstract,		(30,01) (05,9,01)			
the text is approved as submi	tted by the applicant.	(種)			
	, according to Rule 38.2(b), by this Authority the date of mailing of this international search				
6. With regard to the drawings,					
a. the figure of the drawings to be published with the abstract is Figure No. 1A					
as suggested by the app	licant.	谷 105, 3, 0 5			
as selected by this Auth	ority, because the applicant failed to suggest a f				
as selected by this Auth	ority, because this figure better characterizes th	e invention.			
b. none of the figures is to be pu	iblished with the abstract.				

INTERNATIONALSEARCHREPORT

International application No. PCT/JP2005/007115

CLASSIFICATION OF SUBJECT MATTER

Int.Cl. HO1L27/12, G06K19/07, 19/077, H01L21/822, 27/04, 29/786

According to International Patent Classification (IPC) or to both national classification and IPC

FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl. H01L27/12, G06K19/07, 19/077, H01L21/822, 27/04, 29/786

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Published examined utility model applications of Japan 1922-1996
Published unexamined utility model applications of Japan 1971-2005
Registered utility model specifications of Japan 1996-2005

Published registered utility model applications of Japan 1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	Microfilm of the specification and drawings annexed to the written application of Japanese Utility Model Application No.033140/1977(Laid-open No. 126567/1978) (SANYO ELECTRIC CO., LTD.), 1978.10.07,	:
Х	WHOLE DOCMENT, FIG. 5	1,7
Y	WHOLE DOCMENT, FIG. 5 FAMILY: NONE	2-6,8-13
X Y A	US 2002/0195648 A1 (HIRATA) 2002.12.26, WHOLE DOCUMENT, FIGS.1-14 WHOLE DOCUMENT, FIGS.1-14 WHOLE DOCUMENT, FIGS.1-14 & JP 2003-7833 A	1,2,7,8 3-6,9,10,12,13
Y	WO 2000/044049 A1 (SEIKO EPSON CORPORATION) 2000.07.27, WHOLE DOCUMENT, FIGS.5,19 & US 6671146 B1	1-13

ᄝ	Further documents are listed in the continuation of Box C.	See patent family annex.		
* "A" "E" "L" "O" "p"	Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance earlier application or patent but published on or after the international filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed	understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such		
Date of the actual completion of the international search 11.07.2005		Date of mailing of the international search report 26. 07.2005		
Nam	e and mailing address of the ISA/JP Japan Patent Office	Authorized officer WATAHIKI TAKASHI 4M 2934		
3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan		Telephone No. +81-3-3581-1101 Ext. 3460		

INTERNATIONALSEARCHREPORT

International application No. PCT/JP2005/007115

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where appropriate, of the relev	rant passages	Relevant to claim No.		
Y	JP 2001-250097 A (HITACHI LTD.) 2001. WHOLE DOCUMENT, FIG. 2, & KR 200108827	10-13			
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